**Index of Claims** 

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| Ap | plica | ıtion | No. |

10/611,949

Examiner

Applicant(s)

MAEHARA, HIROSHI Art Unit

Sanza L McClendon

1711

Rejected Allowed

(Through numeral) Cancelled

Restricted

| N | Non-Elected  |
|---|--------------|
|   | Interference |

**Appeal** Α 0 Objected

| Cla  | aim      | Date            |           |              |  |          | ] [  | Cla      | aim            | Date   |          |          |          |          |                                     |          |  |          |                  | Cla      | aim          | Т        | Date     |             |            |                |                     |          |                |  |            |           |                   |           |
|--|----------|-----------------|-----------|--------------|--|----------|--|----------|----------------|--|----------|----------|----------|----------|-------------------------------------|----------|--|----------|------------------|----------|--------------|----------|----------|-------------|------------|----------------|---------------------|----------|----------------|--|------------|-----------|-------------------|-----------|
| ]  | <u></u>  |                 |           |              |  | Γ        | Т  | T        | Т              |  |          |          |          |          | Γ                                   | Γ        | Г  |          | Τ                | Г        | Π            |          |          |             |            | Τ              | П                   | Γ        | Т              | Ĩ.   | Ť          | Т         | Т                 | Τ         |
| Final  | gi       |                 | ŀ         |              |  |          |  |          |                |  |          | Final    | jina     |          |                                     |          |  |          |                  |          | ı            |          |          | Final       | ina        | l              |                     |          |                |  |            |           |                   |           |
| i <del>.</del>                                   | Original |                 |           |              |  |          |  |          |                |  |          | iΞ       | Original |          |                                     |          |  |          |                  |          |              |          |          | 這           | Original   |                |                     |          |                |  | ĺ          |           |                   |           |
|  | 1        | _               | -         | -            | ┝  | ╀        | +  | +        |                | +  | -        |          |          | -        | <del> </del>                        | <u> </u> | <u> </u>   | <u> </u> | <u> </u>         | L        | ↓            | Н        |          |             |            | <u> </u>       | <u> </u>            | _        | <u> </u>       |  | <u> </u>   | ┖         |                   | L         |
|  | 2        | 1               | ┝         | ├-           | ╁╌   | ╁        | +  | +        | +              | _  | <br> -   |          | 51       | ┿        | ┼                                   | <u> </u> | ├  | <u> </u> |                  | _        | <del> </del> | $\vdash$ |          |             | 101        | ļ_             | _                   | <u> </u> | <u> </u>       | <u> </u>   | _          |           | <u> </u>          | $\perp$   |
| -  | 3        | √               | H         | <del>-</del> | ╁  | +        | ╫  | +        | +-             | +  | H        |          | 52<br>53 | ╁        | ╀                                   | $\vdash$ | ├-   | ⊢        | ├                | ┝        | -            | +        |          |             | 102        | ╁              | _                   | <u> </u> | <del> </del> _ | _  | 1_         | <u> </u>  | _                 | ــــ      |
|  | 4        | V               | _         | -            | +  | ╁        | +  | ╁        | +              | ╁─   | l        |          | 54       | ╁        | -                                   | ┝        | ├-   | ┢        | ┝                | H        | -            | $\vdash$ |          |             | 103<br>104 | ╀              | -                   | ⊢        | <b>├</b>       | _  | ╄          | ╀         | ⊢                 | ₩         |
|  | 5        | V               |           | -            | 1  | +-       | +  | +-       | +              | +-   | -        |          | 55       | ╁╌       | -                                   | -        | -  | ╁─       | <del>  -</del> - |          | ┢            | $\vdash$ |          |             | 105        | ├              | $\vdash$            | <u> </u> | ╁              | <del> </del>                                     | ╁          | ⊬         | ⊢                 | ⊢         |
|  | 6        | V               |           | <u> </u>     |  | 1        | 1  | +-       | +              | 1  | lr       |          | 56       | 1        | <del>  -</del>                      | $\vdash$ | <del>                                     </del> |          | ┢┈               | ┢        | ┼            | $\vdash$ |          |             | 106        | <del> </del> — | -                   | ⊢        | <del> </del>   | ┢  | ╁          | ┨         | -                 | ⊢         |
|  | 7        |                 |           |              |  | 1        | 1  | Т        |                | T  |          |          | 57       | T        | t –                                 | _        | ┢  | $\vdash$ | ┢                | H        | <del> </del> | H        | 1        | _           | 107        | ╁              | $\vdash$            | $\vdash$ | ╁╌             | ╁  | ╁          | ╁         | ┢                 | ├         |
|  | 8        |                 |           |              |  |          |  |          |                |  |          |          | 58       |          |                                     | $\vdash$ |  | $\Box$   | $\vdash$         | 1-       |              | $\vdash$ | ŀ        |             | 108        | t              | H                   | _        | $\vdash$       | <del>                                     </del> | -          | H         | ╁                 | ┢         |
|  | 9        | Ш               |           |              | <u> </u>   |          |  | $\perp$  |                |  |          |          | 59       |          |                                     |          |  | Г        |                  |          | Ī            |          | Ì        |             | 109        |                |                     |          | $\vdash$       |  | T          | ┢         | H                 | 1         |
|  | 10       | ✓               |           |              |  | _        | 1  | _        | _              |  | L        |          | 60       |          | Ŀ                                   |          |  |          |                  |          |              |          |          |             | 110        | T              |                     |          |                |  |            | T         |                   | $\vdash$  |
|  | 11       | <b>√</b>        |           | _            | <u> </u>   | 上        | ╀  | $\perp$  | _              | Ш  | L        |          | 61       | L        |                                     |          |  |          |                  |          |              |          |          |             | 111        |                |                     |          | Г              | 厂  | 1          | 1         |                   |           |
|  | 12       | √,              | _         | <u> </u>     | <u> </u>   | ╀-       | +  | +        | 4              | $\sqcup$   | -        |          | 62       | <u> </u> | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ |          | _  |          |                  | L        | ┕            |          | . [      |             | 112        |                |                     |          |                |  |            |           |                   |           |
| <u> </u>   | 13       | ✓               |           |              | ├-   | +-       | +  | +        | +              | $\vdash$   |          |          | 63       | L        | _                                   | _        | _  | <u> </u> | <u> </u>         | _        | <u> </u>     | Ш        | Ļ        |             | 113        |                | Ш                   |          |                | Ĺ  | $\Box$     |           |                   |           |
|  | 14<br>15 | $\vdash \dashv$ | -         | _            | +  | ╀        | +  | +        | +              | $\vdash$   | -        | $\dashv$ | 64       | ├        | $\vdash$                            |          | <u> </u>   | <u> </u> | <b>-</b>         | <u> </u> | <u> </u>     | Ш        | ļ        |             | 114        | _              | Ш                   |          | L              | <u> </u>   |            |           |                   | L         |
| -  | 16       | $\vdash\dashv$  | _         | _            | H  | ╁        | +  | ╁        | ╁              | +  | F        |          | 65<br>66 | $\vdash$ | $\vdash$                            | _        | $\vdash$   | ├-       | Н                | _        | $\vdash$     | Щ        | -  -     |             | 115        | <u> </u>       | $\sqcup$            |          | <u> </u>       |  | <u> </u>   |           | $ldsymbol{f eta}$ | L         |
| <del>                                     </del> | 17       |                 |           |              | $\vdash$   | ╁        | +  | ╁        | +              | $\vdash$   | $\vdash$ |          | 67       | $\vdash$ | $\vdash$                            | <u> </u> | <u> </u>   |          |                  | _        | $\vdash$     | Н        | - }      |             | 116        | _              | $\vdash \downarrow$ |          | _              | <u> </u>   | <u> </u>   | <u> </u>  | L                 | $\vdash$  |
|  | 18       | $\dashv$        | $\neg$    |              |  | $\vdash$ | +  | ╁        | +              | +  | -        |          | 68       | -        | -                                   |          |  | ⊢        |                  | -        | -            | -        | ŀ        |             | 117<br>118 | $\vdash$       | $\sqcup$            |          | <u> </u>       | <u> </u>   | ļ_         |           | _                 | L         |
|  | 19       |                 |           |              | ╁  | +        | +  | +        | ╁              | +  | ┢        | -        | 69       | -        |                                     |          | -  |          |                  | <u> </u> | ┝            | Н        | ╌        | — i         | 119        |                | $\vdash$            |          | <u> </u>       | <u> </u>   |            |           | L                 | <u> </u>  |
|  | 20       |                 |           |              | <del>                                     </del> | T        | +  | 1        | $\dagger$      | +  | ┢        | $\dashv$ | 70       |          | -                                   | _        |  | ┝        | -                | -        | ├            | $\vdash$ | ŀ        | $\dashv$    | 120        |                | H                   |          | -              | _  | ├          |           | H                 | ⊢         |
|  | 21       |                 |           |              | _  | 1        | 1  | 1-       | $\dagger$      | $\vdash$   |          | 一        | 71       |          | $\vdash$                            | _        |  |          |                  | -        | $\vdash$     | Н        | ŀ        |             | 121        | -              | H                   |          | ┝              |  | ╌          | -         | H                 | <u> </u>  |
|  | 22       |                 |           |              |  | 1        | Т  | $\top$   | †              | П  |          |          | 72       |          | П                                   |          |  |          | Н                |          | <del> </del> | Н        | -        | $\dashv$    | 122        | H              | $\vdash$            |          | <u> </u>       | -  | -          |           | _                 | ├         |
|  | 23       |                 |           |              |  |          |  |          | T              |  |          |          | 73       |          |                                     |          |  |          | П                |          |              | H        | ŀ        | $\neg \neg$ | 123        | $\vdash$       |                     | _        |                | <del> </del>                                     | -          |           |                   |           |
|  | 24       |                 |           |              |  |          |  |          |                |  |          |          | 74       |          |                                     |          |  |          |                  |          |              | П        |          |             | 124        |                |                     |          |                | <u> </u>   |            | Н         | _                 | <u> </u>  |
|  | 25       |                 | _         |              | L  |          | 1_   | $\perp$  | 1_             | Ш  | L        |          | 75       |          |                                     |          |  |          |                  |          |              |          | Ī        |             | 125        |                | 1                   |          | _              |  | $\vdash$   |           | -                 |           |
|  | 26       | _               |           |              | <u> </u>   | L        | 1  | ↓_       | 4_             | Ш  | L        |          | 76       | _        |                                     | _        |  |          |                  |          |              | <u> </u> | . [      |             | 126        |                |                     |          |                |  |            |           |                   |           |
|  | 27       | -               |           | _            | _  | ļ        | $\perp$  | $\perp$  | <u> </u>       | Ш  | L        |          | 77       |          | Ш                                   |          |  |          |                  |          |              |          |          |             | 127        |                |                     |          |                |  |            |           |                   |           |
|  | 28<br>29 | -               | $\dashv$  | _            |  | <u> </u> | ╁  | ╀        | —              |  | -        |          | 78       | _        |                                     | _        |  |          | $\perp$          |          |              | Ш        | L        |             | 128        |                |                     |          |                |  |            |           |                   |           |
|  | 30       | +               |           | -            | _  | ├        | ┼  | ╀        | ╁              | <del>                                     </del> | <u> </u> |          | 79       | _        | Н                                   | _        | _  |          | $\sqcup$         | _        |              | Ш        | L        |             | 129        |                |                     | _        |                |  | <u>L</u> . | Ш         |                   |           |
|  | 31       | -+              | $\dashv$  | $\dashv$     | _  | ├        | ╁  | +        | ╀              | Н  | $\vdash$ | $\dashv$ | 80<br>81 | $\vdash$ |                                     | $\dashv$ |  |          | $\dashv$         |          |              | Н        | F        |             | 130        |                | _                   |          |                |  |            | Ц         |                   | $oxed{}$  |
|  | 32       | $\dashv$        | +         |              | _  | ┢        | +-   | +        | ╁              | H  | $\vdash$ | $\dashv$ | 82       | $\vdash$ | -                                   | $\dashv$ | $\dashv$   | -        | $\dashv$         | $\dashv$ |              | Н        | ŀ        |             | 131        |                | _                   | _        |                | $\perp$  |            | _         |                   |           |
| <del></del>                                      | 33       | -               | $\dashv$  | -            |  | -        | +  | +        | +              | $\vdash$   | +        |          | 83       | $\vdash$ | $\dashv$                            | $\dashv$ |  | -        | $\dashv$         | $\dashv$ | -            | $\vdash$ | -        |             | 132<br>133 |                |                     | _        |                | _  | -          | -         |                   |           |
|  | 34       | $\dashv$        | $\dashv$  | $\dashv$     | _  | T        | 1  | 1        | 1              | $\vdash$   | $\vdash$ | _        | 84       | Н        | $\dashv$                            | $\dashv$ | $\dashv$   | $\dashv$ | $\dashv$         | $\dashv$ | $\dashv$     | $\dashv$ | -        | $\dashv$    | 134        |                | $\dashv$            |          | _              | -  | <u> </u>   | $\vdash$  | _                 |           |
|  | 35       |                 |           |              |  |          | Т  | 1        | 1              | П  | $\vdash$ | _        | 85       | Н        | $\dashv$                            | $\dashv$ | $\dashv$   |          | -+               | $\neg$   | $\dashv$     | $\dashv$ | <br>     | +           | 135        | $\dashv$       | $\dashv$            | $\dashv$ | $\dashv$       | $\dashv$   | H          | $\vdash$  |                   | -         |
|  | 36       |                 |           |              |  |          | L  |          |                |  |          |          | 86       |          | 寸                                   | ┪        |  | _        | 寸                | $\neg$   | ᅥ            |          | r        | $\dashv$    | 136        | $\dashv$       | $\dashv$            | -        | $\dashv$       | $\dashv$   | $\vdash$   |           |                   | $\dashv$  |
|  | 37       | $\Box$          | $\Box$    |              |  |          | $\Box$   |          |                |  |          |          | 87       |          |                                     |          |  |          | $\neg$           |          |              |          | r        |             | 137        | $\dashv$       | $\dashv$            | $\neg$   | $\dashv$       |  |            | $\dashv$  | _                 | -         |
|  | 38       | $\bot$          | $\Box$    | _]           |  |          |  |          | L              |  |          |          | 88       |          | J                                   |          |  | _        |                  |          | $\neg$       | $\neg$   | 一        |             | 138        | $\dashv$       | $\dashv$            |          |                | $\dashv$   |            |           |                   | $\neg$    |
|  | 39       | _               | _         |              |  | _        | Ļ  | <u> </u> | <u> </u>       | Ш  | L        |          | 89       |          |                                     |          |  |          |                  |          |              |          | Γ        |             | 139        |                | $\exists$           |          |                | $\neg$   |            | _         |                   | $\dashv$  |
|  | 40       | 4               | 4         | 4            | _  | <u> </u> | <u> </u>   | 1_       | <u> </u>       | Ц  | L        | _        | 90       |          | [                                   | J        | $\Box$   |          |                  | $\Box$   |              |          |          |             | 140        |                | _1                  |          |                |  |            | $\exists$ | _                 | $\dashv$  |
|  | 41       | $\dashv$        | 4         | 4            | _  | <u> </u> | $\vdash$   | <u> </u> | <del> </del> _ | Ы  |          | _        | 91       |          | _                                   | _        | _  | $\perp$  | _[               | $\Box$   |              | $\Box$   |          |             | 141        |                |                     |          |                |  |            |           | _ 1               | $\exists$ |
|  | 42<br>43 | -+              | 4         | 4            | -  | <u> </u> | ├-   | -        | -              | Ш  | $\vdash$ | $\dashv$ | 92       | _        | _                                   | _        | $\dashv$   |          | _                | $\dashv$ | _            | _        | L        |             | 142        | $\Box$         | $\bot$              |          |                | Ī  |            |           |                   |           |
|  | 44       | $\dashv$        | +         | $\dashv$     | $\dashv$   | _        | $\vdash$   | $\vdash$ | +              | Н  | $\vdash$ |          | 93       |          | $\dashv$                            | $\dashv$ |  | 4        | -4               | $\dashv$ | _            | _        | $\perp$  |             | 143        | $\perp$        | $\perp$             | _        | $\Box$         | $\Box$   |            |           |                   |           |
| +  | 45       | $\dashv$        | $\dashv$  | ᅱ            | $\dashv$   |          | $\vdash$   | +-       | H              | $\vdash$   | $\vdash$ | $\dashv$ | 94<br>95 |          | $\dashv$                            | +        | -  | $\dashv$ | $\dashv$         | $\dashv$ | _            | $\dashv$ | L        |             | 144        | _              | 4                   | _        | _              | 4  | _          | _[        | [                 | $\Box$    |
|  | 46       | $\dashv$        | $\dashv$  | $\dashv$     |  | -        |  | $\vdash$ | ╁─             | H  | -        |          | 96       | $\dashv$ | $\dashv$                            | $\dashv$ | $\dashv$   |          | $\dashv$         | -        | $\dashv$     | $\dashv$ | -        | -           | 145        |                | 4                   | 4        | _ ]            | $\perp$  | _          | ļ         | _                 |           |
|  | 47       | _               | $\dashv$  | $\dashv$     | $\dashv$   |          | H  | $\vdash$ |                | $\dashv$   | $\vdash$ | +        | 97       | $\dashv$ | -+                                  | $\dashv$ | $\dashv$   | $\dashv$ | $\dashv$         | $\dashv$ |              | $\dashv$ | $\vdash$ |             | 146        |                | +                   | 4        | 4              | 4  |            | _         | _                 | _         |
|  | 48       | _               | $\dagger$ | 1            | _  | -        | <del>                                     </del> | -        |                | $\dashv$   |          |          | 98       | $\dashv$ | $\dashv$                            | $\dashv$ | $\dashv$   | $\dashv$ | -+               | +        | -            |          | -        |             | 147<br>148 |                | $\dashv$            | $\dashv$ | 4              |  | [          | -         | 4                 | 4         |
|  | 49       | 1               | $\top$    | $\dashv$     |  |          |  |          |                | $\dashv$   |          |          | 99       | $\dashv$ | +                                   | +        | $\dashv$   | +        | $\dashv$         | $\dashv$ |              | $\dashv$ | $\vdash$ | -+          | 148        | $\dashv$       | +                   |          |                | $\dashv$   | -          |           | -                 | 4         |
|  | 50       | $\Box$          | T         |              |  |          |  |          |                | $\neg$   |          |          | 100      | $\dashv$ | $\dashv$                            | $\dashv$ | $\top$   | $\dashv$ | +                | $\dashv$ | $\dashv$     | $\dashv$ | $\vdash$ |             | 150        | $\dashv$       | +                   | +        | -+             | -  |            | -+        | -                 | -         |
|  |          |                 |           |              |  |          | _  |          |                |  | _        |          | 1        |          |                                     |          |  | _        |                  |          |              |          | L        |             | 130        |                |                     |          | J.             |  |            |           |                   | _         |